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1. A method of fabricating a thin film transistor comprising the steps of:

forming a gate electrode on an insulator substrate; forming a gate insulator film over the insulator substrate and the gate electrode;

forming an amorphous silicon film on the gate insulator film;

irradiating laser light on a surface of the amorphous silicon film to heat the amorphous silicon film, thereby forming a polycrystalline silicon film; and

setting energy of the laser light such that a grain size of a first portion of the polycrystalline silicon film over the insulator substrate becomes equal to or greater than a grain size of a second portion of the polycrystalline silicon film over the gate electrode.

- 2. The method according to claim 1, further comprising a step of defining a source and a drain of the thin film transistor in the first portion and defining a channel of the thin film transistor in the second portion.
- 3. The method according to claim 2, wherein the step of setting the energy of the laser light includes the steps of:

setting a maximum energy of the laser light such that grain sizes of the drain and the source become substantially equal to a grain size of the channel; and

setting a minimum energy of the laser light to obtain a grain size of the channel enough to provide a desired device characteristic of the thin film transistor.

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5. The method according to claim 3, wherein the grain size of the channel which is enough to provide the desired device characteristic of the thin film transistor lies in a range of about 1500 Å to about 20000 Å.

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 6. The method according to claim 3, wherein the grain size of the channel which is enough to provide the desired device characteristic of the thin film transistor lies in a range of about 3000 Å to about 10000 Å.

7. A thin film transistor comprising an active layer including a polycrystalline silicon film where a drain, a source and a channel are defined, grain sizes of the drain and source being equal to or greater than a grain size of the channel.

8. A thin film transistor comprising:

an insulator substrate;

a gate electrode located on the insulator substrate; an insulator film provided on the insulator substrate and the gate electrode; and

a polycrystalline silicon film located on the insulator film, a channel defined in a first portion of the polycrystalline silicon film over the gate electrode, a drain and a source defined in second and third portions of the polycrystalline silicon film over the insulator substrate, grain sizes of the drain and source being equal

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- The thin film transistor according to claim 8, wherein the grain size of the channel is set large enough to provide a desired device characteristic of the thin film transistor.
- The thin film transistor according to claim 9, wherein the grain size of the channel lies in a range of about 500 Å to about 20000 Å.
- The thin film transistor according to claim 9, wherein the grain size of the channel lies in a range of about 1500 Å to about 20000 Å.
- The thin film transistor according to claim 9, wherein the grain size of the channel lies in a range of about 3000 Å to about 10000 Å.
- An active matrix type display apparatus comprising:
 - a plurality of pixels; and
- a plurality of drive elements for respectively driving the plurality of pixels, each drive element including a thin film transistor, the thin film transistor having:
 - an insulator substrate;
- a gate electrode located on the insulator substrate;
- an insulator film provided on the insulator substrate and the gate electrode; and
 - a polycrystalline silicon film located on the

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insulator film channel defined in a film portion of the polycrystalline silicon film over the gate electrode, a drain and a source defined in second and third portions of the polycrystalline silicon film over the insulator substrate, grain sizes of the drain and source being equal to or greater than a grain size of the channel.

- 14. The display apparatus according to claim 13, wherein the grain size of the channel is set large enough to provide a desired device characteristic of the thin film transistor.
- 15. The display apparatus according to claim 14, wherein the grain size of the channel lies in a range of about 500 \mathring{A} to about 20000 \mathring{A} .
- 16. The display apparatus according to claim 14, wherein the grain size of the channel lies in a range of about 1500 \mathring{A} to about 20000 \mathring{A} .
- 17. The display apparatus according to claim 14, wherein the grain size of the channel lies in a range of about 3000 \mathring{A} to about 10000 \mathring{A} .